



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL: SILICON NITRIDE.
2. AFBMA BALL GRADE: 10
3. THIS IS AN ULTRA HIGH VACUUM COMPONENT AND REQUIRES SPECIAL ATTENTION TO AVOID CONTAMINATION, REFER TO LBNL ENGINEERING SPECIFICATION #M20013 FOR CLEANING PROCEDURES.
4. USE OF SULPHUR-BEARING OR SILICONE-BEARING OILS, LUBRICANTS, OR COOLANTS IS PROHIBITED. USE OF POWER DRIVEN, RESIN BONDED, OR RUBBER BONDED ABRASIVES IS PROHIBITED. CERAMIC BONDED ABRASIVES, TUNGSTEN CARBIDE, AND DIAMOND WHEELS ARE ACCEPTABLE.
5. ALL HIDDEN LINES MAY NOT BE SHOWN.
6. ALL DIMENSIONS ARE IN INCHES.
7. PROTECT FINISHED PART FROM DAMAGE BY BAGGING OR SIMILAR METHOD TO PROTECT AND MAINTAIN CLEANLINESS DURING SHIPMENT AND STORAGE. TAKE EXTREME CARE NOT TO DING, SCRATCH, DENT, OR OTHERWISE MARK ANY MACHINED SURFACE.

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| MAT 2: | | NOTES: | |
| MAT 1: | | NOTES: | |
| PROJECT NAME: | | ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA | |
| UNIQUE NUMBER: AL-0015-8417 | | ALS - INSTRUMENTATION | |
| SCALE: 2:1 | | PEEM 3 ELECTRON OPTICS | |
| THIRD ANGLE PROJECTION | | KINEMATIC ADJUSTMENT ASSEMBLY, BALL | |
| SHEET 1 OF 1 | | SIZE: A | DWG NO: 26C468 |
| REV A | | REV A | |

| A | ajdemell | ajdemell | 06-22-05 | INITIAL |
|--------------------------------------------|----------|----------|----------|---------|
| REV | AUTHOR | APPROVER | DATE | CHANGES |
| UNLESS OTHERWISE SPECIFIED | | | | |
| REF: ASME Y14.5M-1994, THREADS ARE CLASS 2 | | | | |
| BREAK EDGES .016 MAX. ON MACHINED WORK | | | | |
| REMOVE BURRS, WELD SPLATTER & LOOSE SCALE | | | | |